Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

**Naming/Formulas with Polyatomic Ions**

Write the names of the following compounds.

|  |  |  |  |
| --- | --- | --- | --- |
| Formula | Name | Formula | Name |
| CaCO3 |  | Cs2CO3 |  |
| AlPO4 |  | RbC2H3O2 |  |
| KHCO3 |  | Be(CN)2 |  |
| NaClO2 |  | Na3PO4 |  |
| FrOH |  | Ba(ClO3)2 |  |

Write the formulas for the following compounds.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Formula  (criss-cross) | Name | Formula  (criss-cross) |
| magnesium hydroxide |  | calcium carbonate |  |
| aluminum nitrate |  | ammonium phosphate |  |
| lithium sulfate |  | barium hydroxide |  |
| sodium bicarbonate |  | magnesium nitrite |  |

**Write the formula for each of the following compounds.**

|  |  |
| --- | --- |
| Lithium nitrate | Sodium sulfate |
| Potassium phosphate | Strontium carbonate |
| Ammonium sulfide | Aluminum phosphate |

